

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 8.0.2
Date: 12/13/2018 10:42 AM
Cytometer Baseline: 10/31/2018 01:04 PM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910859
Lot ID: 72756 **Expiration Date:** 10/31/2019
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125393	0	2.07	125488	2.03
Blue	F	SSC	125000	124168	-1	2.00	124972	1.98
Blue	E	FITC	15492	15028	-3	3.39	349	21.63
Blue	D	PE	28736	27988	-3	2.54	617	15.83
Blue	B	PerCP-Cy5-5	41413	41123	-1	4.70	1128	23.23
Blue	A	PE-Cy7	31321	30740	-2	8.09	554	50.49
Red	C	APC	41673	40518	-3	2.98	1566	13.36
Red	A	APC-Cy7	29962	29436	-2	3.46	740	14.13
Violet	B	V450	8318	7848	-6	4.18	441	14.12
Violet	A	V500	34199	33031	-4	3.84	797	10.90

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20317	5.49	611	-2	N/A	N/A	Pass
Blue	F	SSC	56267	1.74	575	7	N/A	N/A	Pass
Blue	E	FITC	58	72.23	558	-3	0.0161	147	Pass
Blue	D	PE	122	57.86	558	-2	0.1519	355	Pass
Blue	B	PerCP-Cy5-5	209	56.13	667	0	0.0072	47	Pass
Blue	A	PE-Cy7	107	127.67	727	5	0.0082	30	Pass
Red	C	APC	359	28.63	600	-1	0.0193	136	Pass
Red	A	APC-Cy7	183	32.06	577	1	0.0047	1277	Pass
Violet	B	V450	65	70.36	475	-2	0.0501	2764	Pass
Violet	A	V500	112	37.79	493	-1	0.0206	964	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.26	-31.82	1.11
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.50
Red	16.65	13.60 - 20.40	N/A	N/A	29.02	29.42	1.24

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 10823

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments